SUBMINIATURE PENTODE

TYPE CK526AX

The CK526AX is a filament type pentode of subminiature construction designed for use as a power amplifier in portable and wearable equipment. The tinned flexible leads may be soldered or welded directly to the terminals of circuit components without the use of sockets. Standard inline subminiature sockets may be used by cutting the leads to a suitable length.

MECHANICAL DATA

ENVELOPE: T-2X3 Glass

BASE: None (0.016" tinned flexible leads. Length: 1.5" min. Spacing: 0.048" center-to-center)

TERMINAL CONNECTIONS: *(Red Dot is adjacent to Lead 1)*

Lead 1 Plate
Lead 2 Screen Grid
Lead 3 Filament, Positive ♦
Lead 4 Control Grid
Lead 5 Filament, Negative ♦

MOUNTING POSITION: Any

0.285" max.
0.385" max.
1.50" max.
Red Dot
5 4 3 2 1

ELECTRICAL DATA

RATINGS - ABSOLUTE MAXIMUM VALUES:

Filament Voltage (dc)	1.25±20%	volts
Plate Voltage	45	volts
Screen Grid Voltage	45	volts
Cathode Current	1.0	ma.

CHARACTERISTICS AND TYPICAL OPERATION:

Filament Voltage (dc)	1.25	volts
Filament Current	20	ma.
Plate Voltage	22.5	volts
Screen Grid Voltage	22.5	volts
Control Grid Voltage	-1.5	volts
Peak AF Control Grid Voltage	1.5	volts
Plate Current	0.45	ma.
Screen Grid Current	0.12	ma.
Transconductance	400	μmhos
Plate Resistance	0.22	meg.
Load Resistance	0.05	meg.
Distortion (approx.)	10	percent
Power Output	3.75	mw.

♦ *Grid #3 is composed of two deflector plates, one being connected to Lead 3 and the other to Lead 5.*

Tentative Data



AVERAGE PLATE CHARACTERISTICS

Ec=0 V
-0.5 V
-1.0 V
-1.5 V
-2.0 V
Ec=0 V
-2.5 V
-3.0 V
-3.5 V
-4.0 V

Conditions:
Ef= 1.25 Volts
Ec2= 22.5 Volts
Ib= ————
Ic2= — — — —

Plate or Screen Grid Current - Milliamperes

1.2
0.8
0.4
0

20
40
60
80
100

Plate Voltage - Volts